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PTO/SB/29 (12/97)

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

9772-0332-999

Total Pages

First Named Inventor or Application Identifier

Barroso et al.

Express Mail Label No.

EL 452 482 088 US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Assistant Commissioner for  
Box Patent Application  
Washington, DC 20231

1. ☒ **Fee Transmittal Form**  
*Submit an original, and a duplicate for fee processing*

2. ☒ **Specification** [Total Pages 72]  
*(preferred arrangement set forth below)*

-Descriptive title of the Invention  
-Cross Reference to Related Applications  
-Statement Regarding Fed sponsored R&D  
-Reference to Microfiche Appendix  
-Background of the Invention  
-Brief Summary of the Invention  
-Brief Description of the Drawings (if filed)  
-Detailed Description of the Invention (including drawings, if filed)  
-Claim(s)  
-Abstract of the Disclosure

3. ☒ **Drawing(s) (35 USC 113)** [Total Sheets 29]

4. ☒ **Oath or Declaration (executed)** [Total Sheets 5]

- a. ☒ **Newly executed (original or copy)**

- b. ☐ Copy from a prior application (37 CFR 1.63(d))  
*(for continuation/divisional with Box 17 completed)*  
[Note Box 5 below]

- i. ☐ **DELETION OF INVENTORS(S)**

Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33 (b).

5. ☐ **Incorporation By Reference (useable if Box 4b is checked)**  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

6. ☐ Microfiche Computer Program (Appendix)

7. ☐ Nucleotide and/or Amino Acid Sequence Submission  
*(if applicable, all necessary)*

- a. ☐ Computer Readable Copy

- b. ☐ Paper Copy (identical to computer copy)

- c. ☐ Statement verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

8. ☒ **Assignment Papers (cover sheet & document(s))**

9. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney  
*(when there is an assignee)*

10. ☐ English Translation Document (if applicable)

11. ☐ Information Disclosure ☐ Copies of IDS  
Statement (IDS)/PTO-1449 Citations

12. ☐ Preliminary Amendment

13. ☒ **Return Receipt Postcard (MPEP 503)**  
*(Should be specifically itemized)*

14. ☐ Applicant claims Small Entity status, see 37 C.F.R. § 1.27

15. ☐ Certified Copy of Priority Document(s)  
*(if foreign priority is claimed)*

16. ☐ Other:

17. If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information:

☐ Continuation

☐ Divisional

☒ **Continuation-in-part (CIP) of prior application No: 09/878,982 filed June 11, 2001 (claiming priority of US provisional application 60/210,675, filed June 10, 2000).**

**18. CORRESPONDENCE ADDRESS**

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Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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**PENNIE & EDMONDS LLP**  
COUNSELLORS AT LAW  
3300 Hillview Avenue  
Palo Alto, CA. 94304

ATTORNEY DOCKET NO. 9772-0332-999

Date: January 7, 2002

Assistant Commissioner for Patents  
Box PATENT APPLICATION  
Washington, D.C. 20231

Sir:

The following utility patent application is a continuation-in-part of U.S. patent application 09/878,982, filed June 11, 2001, which claims priority on U.S. provisional patent application 60/210,675, filed June 10, 2000:

Applicant(s): Gharachorloo et al.

Executed on: January 7, 2002

Title of Invention: SYSTEM FOR MINIMIZING DIRECTORY INFORMATION IN SCALABLE MULTIPROCESSOR SYSTEMS WITH LOGICALLY INDEPENDENT INPUT/OUTPUT NODES

**PATENT APPLICATION FEE VALUE**

TYPE	NO. FILED	LESS	EXTRA	EXTRA RATE	FEE
Total Claims	37	-20	17	\$18.00 each	\$ 306.00
Independent	4	-3	1	\$84.00 each	\$ 84.00
Minimum Fee					\$ 740.00
Multiple Dependency Fee If Applicable (\$280.00)					\$ 0.00
<b>Total</b>					\$ 1,130.00
Applicant qualifies for the 50% Reduction for Independent Inventor, Nonprofit Organization or Small Business Concern					- \$ 0.00
<b>Total Filing Fee</b>					\$ 1,130.00

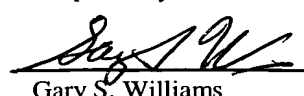
☐ **DO NOT PUBLISH.** I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

**Also enclosed are:**

- XX 29 sheets of formal drawings;
- XX 3 Declarations; and
- XX Assignments with Recordation Cover Sheet.

Please charge the required fee to Pennie & Edmonds LLP Deposit Account No. 16-1150 (9772-0332-999). A copy of this sheet is enclosed.

Respectfully submitted,



Gary S. Williams  
PENNIE & EDMONDS LLP

31,066  
(Reg. No.)

Enclosure This form is not for use with continuation, divisional, re-issue, design or plant patent applications.